

Exhibit A

Amino acids that differ from Pgam are in bold

Pgam	1	maesrrkyyfpdvtdeqwndwhwqvlrrietldqlkkyvtltaeeggvyk
Pgaam	1	maesrrkyyfpdvtdeqwydwhwqvlrrietldqlkkyvtltaeeggvyk
Cskam	1	-minrryelfkdvsdadwdrwrqvrnrietveelkkyipltkeeeegva
Pgam	51	eslkvlrmaitypyylslidpenncpirkqaipthqelvrapedqvdpls
Pgaam	51	espkvlrmaitypyylslidpenncpirkqaipthqelvrapedqvdpls
Cskam	50	qcvkslrmaitypyylslidpndpndpvrkqaipthalelnkaaadedpls
Pgam	101	ededspvpglthrypdrvlflitdkcsmycrhctrrrfagqkdasspser
Pgaam	101	ededspvpglthrypdrvlflitdkcsmycrhctrrrfagqkdasspser
Cskam	100	edtdspvpglthrypdrvlflitdkcsmycrhctrrrfagqddssmpser
Pgam	151	idrcidiantptvrdvllsggdallvsderleyilkrleiphveivri
Pgaam	151	idrcidiantptvrdvllsggdallvsderleyilkrleiphveivri
Cskam	150	idkaidyirntpqvrdvllsggdallvsdetleyiaklreiphveivri
Pgam	201	gsrtppvlpqritpqglvdmkkypwvlnthfnhpnnevteeaveacerma
Pgaam	201	gsrtppvlpqritpqglvdmkkypwvlnthfnhpnnevteeaveacerma
Cskam	200	gsrtppvlpqritpelvnmkkypwvlnthfnhpnneiteestracqla
Pgam	251	nagiplgnqtvlrrgindcthvnmkrlvhlvlkmrvrpyyiyvcdlslgig
Pgaam	251	nagiplgnqtvlrrgindcthvnmkrlvhlvlkmrvrpyyiyvcdlslgig
Cskam	250	dagvplgnqsvllrgvndcvhvmkelvnlkvkirvpyyiyqcdlslgie
Pgam	301	hfrtpvskgieiienlrhtsgyavptfvdapgggkkipvmpnyvvsqs
Pgaam	301	hfrtpvskgieiienlrhtsgyavptfvgapgggkkipvtpnyvvsqs
Cskam	300	hfrtpvskgieieglrhtsgycvptfvdapgggkkipvmpnyvisqs
Pgam	351	prhvvlrnyegvittyttepenyheecdcedcragk--hkegvaalsgggq
Pgaam	351	prhvvlrnyegvittyttepenyheecdcedcragk--hkegvaalsgggq
Cskam	350	hdkvilrnfeqvittyspinytggcncdvctgkklkvkvvgagilngeg
Pgam	399	laiepsdlarkkrkfdkn
Pgaam	399	laiepsdlarkkrkfdkn
Cskam	400	malepvglernkrhvqe-

Pgaam differs from Pgam at 5 amino acids (98% match)
Cskam differs from Pgam at 110 amino acids (73% match)